

### Examiner's Reasons for Allowance

1. Examiner has considered Applicant's response (Pre-brief appeal conference) dated 07/10/2006 and after further review of Applicant's comments regarding claims 1 – 6 and 27 – 38, Examiner is withdrawing the Final rejection and placing claims in condition for allowance.

The following is an Examiner's statement of reasons for allowance, as pointed out by Applicant on page 2 of 6 of Pre-brief appeal conference.

The prior art of record does not teach or fairly suggest at least:

“...creating a loop structure using iteration splitting wherein a plurality of loops are generated, each loop of the plurality of loops being based on an original loop structure of the loop portion, and wherein at least one of an upper or lower range check is eliminated in at least one loop of the loop structure, the loop structure being determined based on the sorted index expressions”, as best illustrated by figure 7 and in such a manner as recited in claims 1, 27, 31 and 35.

Therefore, all claims, i.e. claims 1 – 6 and 27 – 38, are in condition for allowance. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Correspondence Information

Art Unit: 2192

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuck Kendall whose telephone number is 571-2723698. The examiner can normally be reached on 10:00 am - 6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Dam can be reached on 571-2723695. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CK.

Chuck Kendall

11/27/02